

## **RAW SEQUENCE LISTING**

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Application Serial Number: 09/754, 853 B  
Source: TFW16  
Date Processed by STIC: 08/16/2006

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IFW16

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/09/754,853B**

**DATE: 08/16/2006**  
**TIME: 15:40:30**

**Input Set : E:\00330V2.TXT**  
**Output Set: N:\CRF4\08142006\I754853B.raw**

1 <110> APPLICANT: Hauge, Brian M.  
 2 Parnell, Laurence D.  
 3 Parsons, Jeremy D.  
 4 Wang, Ming Li  
 6 <120> TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With  
 7 Soybean Cyst Nematode Resistance  
 9 <130> FILE REFERENCE: 38-10(15810)B  
 11 <140> CURRENT APPLICATION NUMBER: US/09/754,853B  
 13 <141> CURRENT FILING DATE: 2001-01-05  
 15 <150> PRIOR APPLICATION NUMBER: US 60/174,880  
 16 <151> PRIOR FILING DATE: 2000-01-07  
 18 <160> NUMBER OF SEQ ID NOS: 1119  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 127197  
 22 <212> TYPE: DNA  
 23 <213> ORGANISM: Glycine max  
 25 <220> FEATURE:  
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(P2-6)

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402	ctgtggaaatc	ttaagttctt	tctccaaaga	aaaaaaaaaa	catttttct	tccccttgc	11220
404	gtgttctctt	attctgccat	ctccaattct	gttcacaatc	gtaggtgt	ccgccaatga	11280
406	tgtttaatga	taaagatcaa	atacgttgc	aatgaatcg	gatgacaaga	ctgagacaac	11340
408	caataggtga	agctaaccaa	tgcacaagt	ctccaatcaa	taaaacaggc	ccaaaaaggt	11400
410	gggggtgtcc	aaaatgtgaa	ggtaagttt	agtaggtgt	tcacgcctt	gattgcgtct	11460
412	gtgttaatcc	gtcacccaaat	ccaaacaaaa	aatattggat	ggatttgtt	gtttttctt	11520
414	ttaaatcgac	ctaattgtat	catgaatgaa	tttgatcg	atggattgt	tataaaaaaaa	11580
416	agttcaaaaa	taattttctt	aaattttta	aaatatttt	tagattttac	aatacaatta	11640
418	cttgtatata	agttgcataa	aaaaaattaa	ccaccaattt	caatgcacat	attaactgca	11700
420	tcataaaatc	aaattgaaaa	caagtaacca	acaaacattt	aatttataaa	gcaaataata	11760
422	ctaaatcaaa	tttcaaccat	aaagcagata	acaaatttgc	ttgaaaactt	agtaatctta	11820
424	taaagtacac	actagtacaa	aataaactta	aaatcatccc	aaaaaatata	taatactaca	11880
426	atagaaacac	tgcaatata	tgataatgtc	agacaattgc	tcaaccagcc	aacctcacac	11940
428	atagaaacac	ggtaagcaaa	agatcaaaat	caattattat	actaataata	aatttaaatt	12000
430	atgctatgca	aaaaaaagaa	atatgc当地	aaagaaatca	tatcataaac	taagttaaaa	12060
432	atattacctt	aagaactaat	agtcctact	cccaataacta	atactcccaa	gaatagtcca	12120
434	agtagtaatc	ctaacactaa	cattattaa	agtcaaaacca	tacaacttta	aaaaatgttt	12180
436	taaaaaagttc	atcataacat	aatatcaatt	tatattata	ttgtaaacaa	acggaaaaaa	12240
438	aaaaagaaac	tattattgaa	tacctagttc	catcttttt	gtttcatcta	attcaactcg	12300
440	taaatcaccg	acattttgtct	tattatgtt	gagtcattt	tgggtacaaa	tcaaagctt	12360
442	aacagtaatg	ggacttaaag	aactacaaa	atggatcaag	cactcaacct	tttgtactaa	12420
444	atgcagactc	aaatgacaca	atagacataa	gaatgacca	tatctctt	gccatgaaag	12480
446	aaataacatg	atattttggat	gttttcattt	tccaccatgc	caaaatgtca	aatccaagac	12540
448	cgtcatcttc	attgtcatcc	ttttaataca	tatccaactc	actcctttgc	tattcaccac	12600
450	atttttattt	cattttcaat	ctaaatttgg	cgtcccaatc	ctcatcttca	tcaacatcg	12660
452	tggcattacc	ttgtgaagca	ttgtatgaag	ccaaagact	agaattacta	ctatcaatgg	12720
454	aaataggatg	ttctgttgc	tattcaacaa	acattttct	tataagatca	tccaaatttt	12780
456	tcagcatctc	tttgggttgg	tcaacaccat	gcattttctt	aaaacaaaac	tcaatataat	12840
458	caaatttata	acacagatca	agaaaaagcag	tcacaaataa	aagatagct	atctgatcac	12900
460	tctctcaata	tttgttacaa	ttgagttgc	tattatgtt	ctctttgtt	tcacccggatc	12960
462	atcctcatgc	ctccatctat	ttaggcattt	ctgaatagta	accaacttct	aaaagaaatt	13020
464	cttagctgt	acatgtatgt	acccagaaaa	aaaaattgca	tcatagaaaa	cttcaaaaa	13080
466	actcacaac	acacgagcat	gtttcttacatc	catcttttta	ggacatcctc	cttcactatt	13140
468	tagaagatgt	agcacatatg	cagcctcaac	atactcataa	cgattgaaag	cttgcataaa	13200

RAW SEQUENCE LISTING ERROR SUMMARY                   DATE: 08/16/2006  
PATENT APPLICATION: US/09/754,853B               TIME: 15:40:31

Input Set : E:\00330V2.TXT  
Output Set: N:\CRF4\08142006\I754853B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 261022,261023,261024,261025,261026,261027,261028,261029  
Seq#:4; N Pos. 261030,261031,261032,261033,261034,261035,261036,261037  
Seq#:4; N Pos. 261038,261039,261040,261041,261042,261043,261044,261045  
Seq#:4; N Pos. 261046,261047,261048,261049,261050,261051,261052,261053  
Seq#:4; N Pos. 261054,261055,261056,261057,261058,261059,261060,261061  
Seq#:4; N Pos. 261062,261063,261064,261065,261066,261067,261068,261069  
Seq#:4; N Pos. 261070,261071  
Seq#:4; N Pos. 305346,305347,305348,305349,305350,305351,305352,305353  
Seq#:4; N Pos. 305354,305355,305356,305357,305358,305359,305360,305361  
Seq#:4; N Pos. 305362,305363,305364,305365,305366,305367,305368,305369  
Seq#:4; N Pos. 305370,305371,305372,305373,305374,305375,305376,305377  
Seq#:4; N Pos. 305378,305379,305380,305381,305382,305383,305384,305385  
Seq#:4; N Pos. 305386,305387,305388,305389,305390,305391,305392,305393  
Seq#:4; N Pos. 305394,305395,305396,305397,305398,305399,305400,305401  
Seq#:4; N Pos. 305402,305403,305404,305405,305406,305407,305408,305409  
Seq#:4; N Pos. 305410,305411,305412,305413,305414,305415,305416,305417  
Seq#:4; N Pos. 305418,305419,305420,305421,305422,316281,316282,316283  
Seq#:4; N Pos. 316284,316285,316286,316287,316288,316289,316290,316291  
Seq#:4; N Pos. 316292,316293,316294,316295,316296,316297,316298,316299  
Seq#:4; N Pos. 316300,316301,316302,316303,316304,316305,316306,316307  
Seq#:4; N Pos. 316308,316309,316310,316311,316312,316313,316314,316315  
Seq#:4; N Pos. 316316,316317,316318,316319,316320,316321,316322,316323  
Seq#:4; N Pos. 316324,316325,316326,316327,316328,316329,316330,316331  
Seq#:4; N Pos. 316332,316333,316334,316335,316336,316337,316338,316339  
Seq#:4; N Pos. 316340,316341,316342,316343,316344,316345,316346,316347  
Seq#:4; N Pos. 316348,316349,316350,316351,316352,316353,316354,316355  
Seq#:4; N Pos. 316356,316357,316358,316359,316360,316361,316362,316363  
Seq#:4; N Pos. 316364,316365,316366,316367,316368,316369,316370,316371  
Seq#:4; N Pos. 316372,316373,316374,316375,316376,316377,316378,316379  
Seq#:4; N Pos. 316380,316381,316382,316383,316384,316385,316386,316387  
Seq#:4; N Pos. 316388,316389,316390,316391,316392,316393,316394,316395  
Seq#:4; N Pos. 316396,316397,316398,316399,316400,316401,316402,316403  
Seq#:4; N Pos. 316404,316405,316406,316407,316408,316409,316410,316411  
Seq#:4; N Pos. 316412,316413,316414,316415,316416,316417,316418,316419  
Seq#:4; N Pos. 316420,316421,316422,316423,316424,316616

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/754,853B

DATE: 08/16/2006

TIME: 15:40:31

Input Set : E:\00330V2.TXT

Output Set: N:\CRF4\08142006\I754853B.raw

L:5862 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 2  
L:6024 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 2  
L:17363 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 3  
L:35816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:260974  
M:341 Repeated in SeqNo=4  
L:44622 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 8  
L:44784 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 8  
L:45079 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 9  
L:45384 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 10  
L:45681 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 11  
L:45985 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 12  
L:46280 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 13  
L:46425 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 14  
L:46587 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 14  
L:46882 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 15  
L:47027 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 16  
L:47189 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 16  
L:47484 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 17  
L:47789 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 18  
L:48088 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 19  
L:48390 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 20  
L:48689 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 21  
L:48991 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 22  
L:49290 M:361 W: Invalid Split Codon, Sequence data for SEQ ID#: 23